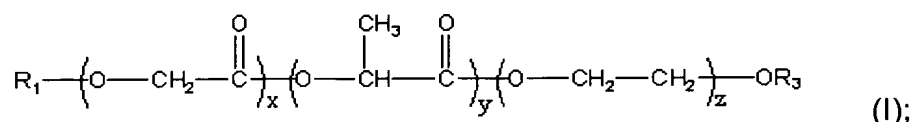


Appl. No. 10/721,877  
Amendment dated: September 11, 2006  
Reply to OA of: March 10, 2006

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1(currently amended). A biodegradable block copolymer of the following formula (I):



wherein  $R_1$  is ~~hydrogen, or~~  $-C(=O)-R_2$ ;  $R_2$  is  ~~$C_{7-30}$  alkyl substituted or unsubstituted with functional groups or hydrogen~~ selected from the group consisting of cholic acid, fatty acid and folic acid;  $R_3$  is hydrogen[[,]] or  $C_{1-6}$  alkyl; [[and]]  $x$ ,  $y$  or  $z$  individually is an integer greater than 0; and said polymer is thermo-sensitive polymer having an LCST ranging from 15°C to 30°C.

Claim 2-3(canceled).

4(original). The polymer as claimed in claim 1, wherein said  $R_3$  is methyl.

5(currently amended). The polymer as claimed in claim 1, wherein said  ~~$R_2$  is hydrogen, and said~~ polymer is applied for drug releasing or embolic agents.

Claims 6-7(canceled).

8(currently amended). The polymer as claimed in claim [[2]] 1, wherein  $x$ :  $y$ :  $z$  is 3-18:11-66:4-114.

9(canceled).

Appl. No. 10/721,877  
Amendment dated: September 11, 2006  
Reply to OA of: March 10, 2006

10(original). The polymer as claimed in claim 1, wherein said polymer is  
functioned as an embolic agent.